IN THE CLAIMS

Please amend the claims as follows:

1-4. (Canceled)

5. (Currently Amended) ~~The method of claim 4~~ A method comprising:

receiving a first signal including at least one known symbol;

estimating a DC level of the first signal;

performing equalization on the first signal to form at least one estimated symbol;

remodulating the at least one estimated symbol to form a second signal;

re-estimating the DC level by comparing the first signal and the second signal;

calculating an initial DC estimation error by comparing estimates of the DC level of the first signal and re-estimates of the DC level;

weighting the at least one estimated symbol, wherein weighting comprises reducing a weight when the initial DC estimation error is above a threshold[[.]]; and

performing channel decoding.

6. (Currently Amended) ~~The method of claim 4~~ A method comprising:

receiving a first signal including at least one known symbol;

estimating a DC level of the first signal;

performing equalization on the first signal to form at least one estimated symbol;

remodulating the at least one estimated symbol to form a second signal;

re-estimating the DC level by comparing the first signal and the second signal;

calculating an initial DC estimation error by comparing estimates of the DC level of the first signal and re-estimates of the DC level;

weighting the at least one estimated symbol, wherein weighting comprises increasing a weight when the initial DC estimation error is below a threshold[[.]]; and

performing channel decoding.

7. (Canceled)

8. (Currently Amended) The method of claim [[1]] 5 wherein receiving a signal including at least one known symbol comprises receiving a training sequence of symbols.

9. (Currently Amended) The method of claim 8 further comprising repeating ~~the listed~~ a list of actions for a plurality of slots of a global system for mobile communications (GSM) signal.

10. (Currently Amended) A method comprising:

receiving a signal that includes a training sequence of symbols;

estimating a channel parameter from the signal;

performing equalization to produce estimated symbols; ~~and~~

remodulating the estimated symbols and re-estimating the channel parameter[[.]];

calculating an initial estimation error by comparing results from estimating the channel parameter and re-estimating the channel parameter; and

weighting the estimated symbols, wherein weighting comprises reducing a weight when the initial estimation error is above a threshold; and

performing channel decoding.

11. (Original) The method of claim 10 wherein estimating a channel parameter comprises estimating a DC level of the signal.

12. (Original) The method of claim 10 wherein estimating a channel parameter comprises estimating a carrier to interference ratio.

13. (Original) The method of claim 10 wherein estimating a channel parameter comprises estimating a noise spectrum.

14. (Canceled)

15. (Currently Amended) The method of claim ~~14~~ 10 further comprising re-performing

equalization when the initial estimation error is above a threshold.

16. (Canceled)

17. (Original) The method of claim 10 wherein receiving a signal comprises receiving a global system for mobile communications (GSM) signal.

18. (Currently Amended) ~~An apparatus including a medium adapted to hold~~ A computer-readable medium having machine-accessible instructions stored thereon that when accessed result in a machine performing:

remodulating a training sequence of symbols from soft decisions;

calculating an estimation error from received signal samples and remodulated signal samples; and

weighting the soft decisions in part by the estimation error[[.]],wherein weighting the soft decisions comprises increasing a weight when the estimation error is small.

19. (Currently Amended) The ~~apparatus~~ computer-readable medium of claim 18 wherein calculating an estimation error comprises comparing an estimation of a DC level of the received samples to a DC level of remodulated signal samples.

20. (Canceled)

21. (Currently Amended) The ~~apparatus~~ computer-readable medium of claim 18 wherein weighting the soft decisions further comprises decreasing a weight when the estimation error is large.

22. (Currently Amended) An apparatus comprising:

a parameter estimator adapted to estimate a channel parameter;

an equalizer coupled to the parameter estimator, the equalizer adapted to equalize a channel based at least in part on an estimate of the channel parameter; and

a processing element adapted to compare received signal samples and remodulated signal samples, ~~and to normalize soft decisions.~~, calculate an initial estimation error from the received signal samples and the remodulated signal samples, and to weight soft decisions by reducing a weight when the initial estimation error is above a threshold

23. (Canceled)

24. (Original) The apparatus of claim 22 wherein the parameter estimator is adapted to estimate a DC level of a signal.

25. (Original) The apparatus of claim 22 wherein the parameter estimator is adapted to estimate a carrier interference ratio of the signal.

26. (Currently Amended) An electronic system comprising:

an omni-directional antenna;

a parameter estimator to estimate a channel parameter from a signal received from the omni-directional antenna;

an equalizer coupled to the parameter estimator, the equalizer to equalize a channel based at least in part on an estimate of the channel parameter; and

a processing element to compare received signal samples and remodulated signal samples, ~~and to normalize soft decisions.~~, calculate an initial estimation error from the received signal samples and the remodulated signal samples, and to weight soft decisions by reducing a weight when the initial estimation error is above a threshold

27. (Canceled)

28. (Original) The electronic system of claim 26 wherein the parameter estimator is adapted to estimate a DC level of the signal.

29. (Original) The electronic system of claim 26 wherein the parameter estimator is adapted

to estimate a carrier interference ratio of the signal.

30. (New) The method of claim 6 wherein receiving a signal including at least one known symbol comprises receiving a training sequence of symbols.

31. (New) The method of claim 30 further comprising repeating the listed actions for a plurality of slots of a global system for mobile communications (GSM) signal.